



A36097-PCT-USA-A (075188.0117)
PATENT

IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Mene-Saffrank et al. Customer No.: 21003
Serial No. : 10/731,642 Examiner: Not Yet Assigned
Filed : May 17, 2004 Group Art Unit: 1632
For : LIPOXYGENASE OVEREXPRESSION IN PLANTS AND
REDUCTION IN PLANT SENSITIVITY TO DISEASES AND
TO ATTACKS FROM PATHOGENIC ORGANISMS

INFORMATION DISCLOSURE STATEMENT

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Peter J. Shen
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52,217
PTO Reg. No

October 18, 2004
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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.97 and 1.98, applicants respectfully request that the
documents listed below in reverse chronological order and on the accompanying PTO
1449 be considered by the Examiner and made of record in the above-referenced
application.

1. U.S. Patent No. 6,770,303 to Fritig et al., issued August 3, 2004.
2. PCT International Patent Publication No. WO 01/36464, published May 25, 2001.

3. Seo, H. S., Song, J. T., Cheong, J.-J., Lee, Y.-H., Lee, Y.-W., Hwang, I., Lee, J. S. & Choi, Y. D. (2001) Jasmonic acid carboxyl methyltransferase: A key enzyme for jasmonate-regulated plant responses, *Proc. Natl. Acad. Sci. U. S. A.* 98, 4788-4793.
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12. French Patent Publication No. FR 2,777,423, published October 22, 1999.
13. Weber, H., Chetelat, A., Caldelari, D. & Farmer, E. E. (1999) Divinyl ether fatty acid synthesis in late blight-diseased potato leaves, *Plant Cell* 11, 485-493.
14. Hornung, E., Walther, M., Kuhn, H. & Feussner, I. (1999) Conversion of cucumber linoleate 13-lipoxygenase to a 9-lipoxygenating species by site-directed mutagenesis, *Proc. Natl. Acad. Sci. U. S. A.* 96, 4192-4197.
15. Kuhn, H. & Thiele, B. J. (1999) The diversity of the lipoxygenase family. Many sequence data but little information on biological significance, *FEBS Lett.* 449, 7-11.
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26. PCT International Patent Publication No. WO 97/26364, published July 24, 1997.

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33. Howe, G. A., Lightner, J., Browse, J. & Ryan, C. A. (1996) An octadecanoid pathway mutant (JL5) of tomato is compromised in signaling for defense against insect attack, *Plant Cell* 8, 2067-2077.
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Also enclosed is U.S. Patent No. 6,770,303, which is related to foreign language reference, French Patent No. FR 2,777,423.

The submission of this Information Disclosure Statement does not represent that a search has been made or that no better art exists, and does not constitute an admission that any of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

This Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits of referenced application. Therefore, applicants do not believe that any fee is due in connection with the submission of this paper. However, if any fee is due, or if any overpayment has been made, the Commissioner is authorized

to charge any such fee or credit any overpayment, to our Deposit Account No. 02-4377.

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Respectfully submitted,

BAKER BOTTS LLP

A handwritten signature in black ink, appearing to be 'P. Shen', is written over a horizontal line.

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Atty. Docket No.
A36097-PCT-USA-A
(075188.0117)

Serial No.
10/731,642

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

(Use several sheets if necessary)

Applicants
Mene-Saffrank et al.

Filing Date
May 17, 2004

Group Art Unit
1632

U.S. PATENT DOCUMENTS

*Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	6 7 7 0 3 0 3	08/03/04	Fritig et al.	424	603	

FOREIGN PATENT DOCUMENT

Document No.	Date	Country	Class	SubClass	Translator Yes No
0 1 3 6 4 6 4	05/25/01	WO			
0 0 5 0 5 7 5	08/31/00	WO			
2 7 7 7 4 2 3	10/22/99	FR			
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X 9 7 1 3 8 5 1	04/17/97	WO			

OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)

X	Seo, H. S., Song, J. T., Cheong, J.-J., Lee, Y.-H., Lee, Y.-W., Hwang, I., Lee, J. S. & Choi, Y. D. (2001) Jasmonic acid carboxyl methyltransferase: A key enzyme for jasmonate-regulated plant responses, <i>Proc. Natl. Acad. Sci. U. S. A.</i> 98, 4788-4793.
	Göbel, C., Feussner, I., Schmidt, A., Scheel, D., Sanchez-Serrano, J., Hamberg, M. & Rosahl, S. (2001) Oxylinin profiling reveals the preferential stimulation of the 9-lipoxygenase pathway in elicitor-treated potato cells, <i>J. Biol. Chem.</i> 276, 6267-6273.
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		Howe, G. A., Lee, G. I., Itoh, A., Li, L. & DeRocher, A. E. (2000) Cytochrome P450-dependent metabolism of oxylipins in tomato. Cloning and expression of allene oxide synthase and fatty acid hydroperoxide lyase, <i>Plant Physiol.</i> 123, 711-24. †
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		Reymond, P. & Farmer, E. E. (1998) Jasmonate and salicylate as global signals for defense gene expression, <i>Current Opinion in Plant Biology</i> 1, 404-411.
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	Applicants Mene-Saffrank et al.	
	Filing Date May 17, 2004	Group Art Unit 1632

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